

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20020018454".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 15:08
L3	2	"6963546".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:01
L4	2	"20050281214".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:04
L5	0	("2005/0281214").URPN.	USPAT	OR	ON	2007/02/27 16:09
L6	0	("2005/0281214").URPN.	USPAT	OR	ON	2007/02/27 16:21
L7	16	("20010026578" "5646964" "5673288" "5790549" "5835541" "5854784" "5933423" "6009334" "6032052" "6088324" "6240099" "6301293" "6466566" "6570863" "6665334").PN. OR ("6963546"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 16:21
L8	0	((multiuser adj (user or acces) adj interference) or MAI) same ((received adj vector) with (segment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 17:10
L9	1	((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector) with (segment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 17:10

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L10	0	(((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector) with (segment))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 17:10
L11	0	(((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector) and (segment))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 17:11
L12	7	(((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector) and (segment)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:06
L14	7415	370/335	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:57
L15	1785	370/336	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:57
L16	2009	375/229	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:58
L17	3558	375/130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:58

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L18	92	((multiuser adj (user or acces) adj interference) or MAI) and ((received with vector) and (segment or burst)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:00
L19	52	((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:04
L20	18	19 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:04
L21	2	19 and 15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:04
L22	1	19 and 16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:04
L23	3	19 and 17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:04
L24	2	"20060193374".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:22

EAST Search History

L25	2	"20030219064".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:14
L26	2	"6757321".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:18
L27	1	"20070033244".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:19
L28	2	"20030219064".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:19
L29	2	"20040247018".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:20
L30	2	"20040223538".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:21
L31	2	"5913188".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:21

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L32	2	"6757321".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 20:22
S1	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 08:40
S2	1	10/748544	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 13:35
S3	6	("5933423" "6075808" "6426983"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 13:37
S4	1	((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector) with (segment or chip)) and (determin\$3 adj symbol) and (determin\$3 adj symbol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/22 15:06
S5	33	((multiuser adj (user or acces) adj interference) or MAI) and ((received adj vector) with (segment or chip))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 17:09

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Did you mean: **MUD MAIL "received vector" segment**

Non-linear reception method and apparatus - Patent 20060171412

Since a symbol is transmitted at different times, the **MUD** should have the ability to combine the multiple symbol **segments** received at different times within ...

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System, apparatus, and method for adaptive weighted interference ...

In theory, Multiple Access Interference (**MAI**) caused by MA users within the CDMA ... an expression for the **received vector** may be expressed as: {overscore ...}

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output alphabets are the line **segment** [... filter computes the inner product of the **received vector**, with the vector ... **MUD**. [441,, average power ...

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into three distinct **segments**, as outlined in Alg. II.1. Algorithm II.1 Scaled and Decoupled QR ... tiply the pseudo-inverse by the **received vector** to obtain ...

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cation by the **received vector** y . However, matrix inverses are ... The **main** overhead cost in a floating point system is the need ...

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CMA to detect the desired user in the presence of **MAI** in a frequency selective channel. As in [WP97], an expected value of the **received vector** ...

bwrc.eecs.berkeley.edu/Publications/2000/

Theses/des_implement_dig_tim_recovery/PaulMasters.pdf - [Similar pages](#)

Receiver - Multi-receiver Or Interference Cancellation patents

Data is estimated from a **received vector** comprising a plurality of communications. ... Joint detection is performed in a multi-user detector (**MUD**) using ...

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[PDF] Interference Mitigation in Wireless Communications Kihong Kim

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Thank God for showing me the beginning and the end of a **segment** of the path of my ...

Multiuser detection (**MUD**) algorithms detect all co-channel signals ...

etd.gatech.edu/theses/available/etd-08242005-114123/

unrestricted/kim_kihong_200512_phd.pdf - [Similar pages](#)

[\[PDF\] CHAPTER 1](#)

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[3], talked of the need to exploit the structure of **MAI** to apply **MUD** using ... frequency assignment, which is typically a 5MHz **segment** of spectrum. ...
upetd.up.ac.za/thesis/available/etd-06082005-140224/unrestricted/01dissertation.pdf - [Similar pages](#)

[\[PDF\] ITERATIVE TECHNIQUES FOR CDMA AND ALGORITHMS FOR MIMO DETECTION](#)

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To make a ML decision for a multiuser detection (**MUD**), we need to solve a binary ... called **received vector**. The method to obtain the **received vector** ...
www.eurecom.fr/util/publidownload.fr.htm?file=/homesdocs/publications/htdocs/cm/khanej-030717.pdf - [Similar pages](#)

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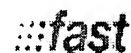
5. [masters.PDF \[PDF-91K\]](#)

May 2000

...and corresponding data **segment** must be known. In our...returned as the final **MUD** correlation sum. 2.4...able to project the **received vector** onto a space orthogonal...user in the presence of **MAI** in a frequency selective...expected value of the **received vector** autocorrelation matrix...

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1. **Multibeam cellular mobile communications with dynamic channel assignment**
 Jung-Lin Pan; Djuric, P.M.;
Vehicular Technology, IEEE Transactions on
 Volume 51, Issue 5, Sept. 2002 Page(s):1252 - 1258
 Digital Object Identifier 10.1109/TVT.2002.801745
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2. **Complexity and efficiency of data detection algorithms for TD-SCDMA**
 Jung-Lin Pan; Jaeyoung Kwak; Bultan, A.; Yuejin Huang; Grieco, D.;
Personal, Indoor and Mobile Radio Communications, 2004. PIMRC 2004. 15th International Symposium on
 Volume 2, 5-8 Sept. 2004 Page(s):1287 - 1291 Vol.2
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3. **A computationally efficient hybrid of joint detection and successive interference cancellation**
 Misra, R.M.; Jung-Lin Pan; Zeira, A.;
Vehicular Technology Conference, 2001. VTC 2001 Spring. IEEE VTS 53rd
 Volume 3, 6-9 May 2001 Page(s):1784 - 1788 vol.3
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4. **Low complexity data detection using fast Fourier transform decomposition of correlation matrix**
 Jung-Lin Pan; De, P.; Zeira, A.;
Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE
 Volume 2, 25-29 Nov. 2001 Page(s):1322 - 1326 vol.2
 Digital Object Identifier 10.1109/GLOCOM.2001.965704
[AbstractPlus](#) | Full Text: [PDF\(189 KB\)](#) [IEEE CNF](#)
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5. **A multibeam medium access scheme for multiple services in wireless cellular communications**
 Jung-Lin Pan; Rappaport, S.S.; Djuric, P.M.;
Communications, 1999. ICC '99. 1999 IEEE International Conference on

Volume 3, 6-10 June 1999 Page(s):1673 - 1677 vol.3
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6. A simulation model of combined handoff initiation and channel availability communications

Jung-Lin Pan; Djuric, P.M.; Rappaport, S.S.;
[Vehicular Technology Conference, 1996. 'Mobile Technology for the Human R](#)
Volume 3, 28 April-1 May 1996 Page(s):1515 - 1519 vol.3
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Zeira, A.; Zeira, E.M.; Holland, S.K.;

[Ultrasonics, Ferroelectrics and Frequency Control, IEEE Transactions on](#)

Volume 41, Issue 3, May 1994 Page(s):346 - 352

Digital Object Identifier 10.1109/58.285469

[AbstractPlus](#) | Full Text: [PDF\(824 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#) 2. **Frequency domain Cramer-Rao bound for Gaussian processes**

Zeira, A.; Nehorai, A.;

[Acoustics, Speech, and Signal Processing \[see also IEEE Transactions on Sig IEEE Transactions on\]](#)

Volume 38, Issue 6, June 1990 Page(s):1063 - 1066

Digital Object Identifier 10.1109/29.56071

[AbstractPlus](#) | Full Text: [PDF\(276 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#) 3. **Wear characteristic dependence of carbon overcoats on target material**

Zeira, E.; Manthey, W.; Levesque, M.;

[Magnetics, IEEE Transactions on](#)

Volume 26, Issue 1, Jan 1990 Page(s):179 - 180

Digital Object Identifier 10.1109/20.50527

[AbstractPlus](#) | Full Text: [PDF\(124 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#) 4. **Realizable lower bounds for time delay estimation**

Zeira, A.; Schultheiss, P.M.;

[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Sig IEEE Transactions on\]](#)

Volume 41, Issue 11, Nov. 1993 Page(s):3102 - 3113

Digital Object Identifier 10.1109/78.257240

[AbstractPlus](#) | Full Text: [PDF\(952 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#) 5. **Realizable lower bounds for time delay estimation. 2. Threshold phenomena**

Zeira, A.; Schultheiss, P.M.;

[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Sig IEEE Transactions on\]](#)

Volume 42, Issue 5, May 1994 Page(s):1001 - 1007
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6. Direction finding with time-varying arrays

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Volume 43, Issue 4, April 1995 Page(s):927 - 937
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7. Oversampled Gabor representation for transient signals

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Digital Object Identifier 10.1109/78.414770

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8. Detection of broadband signals in frequency and time dispersive channel

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10. Direction of arrival estimation using parametric signal models

Zeira, A.; Friedlander, B.;
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11. A low bias algorithm to estimate negative SNRs in an AWGN channel

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12. New results on SNR estimation of MPSK modulated signals

Bin Li; DiFazio, R.A.; Zeira, A.; Pietraski, P.J.;

[Personal, Indoor and Mobile Radio Communications, 2003. PIMRC 2003. 14th Proceedings on](#)
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- 13. Outer loop power control using channel-adaptive processing for 3G WCDMA systems**
Chang-Soo Koo; Sung-Hyuk Shin; DiFazio, R.A.; Grieco, D.; Zeira, A.;
[Vehicular Technology Conference, 2003. VTC 2003-Spring. The 57th IEEE Se](#)
Volume 1, 22-25 April 2003 Page(s):490 - 494 vol.1
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- 14. Pathloss-aided closed loop transmit power control for 3G UTRA TDD**
Sung-Hyuk Shin; Chang-Soo Koo; Grieco, D.; Zeira, A.;
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- 15. Fast permutation based time slot allocation for 3G WCDMA TDD systems**
Guodong Zhang; Zeira, E.;
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- 16. A computationally efficient hybrid of joint detection and successive interference cancellation**
Misra, R.M.; Jung-Lin Pan; Zeira, A.;
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Volume 3, 6-9 May 2001 Page(s):1784 - 1788 vol.3
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- 17. Low complexity data detection using fast Fourier transform decomposition correlation matrix**
Jung-Lin Pan; De, P.; Zeira, A.;
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- 18. Blind fractionally spaced dual channel signal reconstruction**
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- 19. Robust adaptive subspace detectors for space time processing**
Zeira, A.; Friedlander, B.;

[Acoustics, Speech, and Signal Processing, 1998. ICASSP '98. Proceedings of International Conference on](#)
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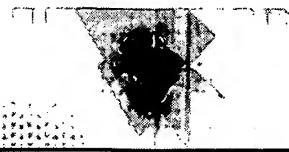
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... and wherein said segmenter is arranged to define a **plurality of segments** ... If the **received vector** X is point 161 in FIG. 25, then $P(X|I=r;S,\epsilon)$
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1. SEGMENT-WISE CHANNEL EQUALIZATION BASED DATA ESTIMATION

PAN, Jung-Lin / ZEIRA, Ariela, PATENT COOPERATION TREATY APPLICATION, Dec 2003

...processing the **received vector** to produce a **plurality of segments**; processing...processing! the **received vector** to produce a **plurality of segments** and for processing...processing the **received vector** to produce a **plurality of segments**; and means...

Full text available at patent office. For more in-depth searching go to [view all 4 results from Patent Offices](#) [similar results](#)

2. Segment-wise channel equalization based data estimation

Pan, Jung-Lin / Zeira, Ariela, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Nov 2003

...processing the **received vector** to produce a **plurality of segments**; processing...processing the **received vector** to produce a **plurality of segments** and for processing...processing the **received vector** to produce a **plurality of segments**; and means...

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3. Apparatus and method for determining articulatory-orperation speech parameters

Tzirkel-Hancock, Eli, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jun 1999

In an apparatus for extracting information from an input speech signal, a preprocessor, a buffer, a segmenter, an acoustic classifier and a feature extractor are provided. The preprocessor generates formant related information for consecutive time frames ...

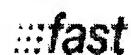
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4. Speech analysis

Tzirkel-Hancock Eli, Canon Res.Centre Europe Ltd., EUROPEAN PATENT, Mar 1996

In an apparatus for extracting information from an input speech signal, a preprocessor

41, a buffer 42, a segmenter 43, an acoustic classifier 45 and a feature extractor 47 are provided. The preprocessor 41 generates formant related information for ...
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